Title (en)

METHOD AND DEVICE FOR CONTROLLING EFFECTIVE HEAT TRANSFER IN A SOLID AMMONIA STORAGE SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER EFFIZIENTEN WÄRMEÜBERTRAGUNG IN EINEM FESTSTOFF-AMMONIAK-SPEICHERSYSTEM

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE COMMANDER LE TRANSFERT DE CHALEUR EFFECTIF DANS UN SYSTÈME DE STOCKAGE D'AMMONIAC SOLIDE

Publication

**EP 2536480 B1 20170510 (EN)**

Application

**EP 11710693 A 20110316**

Priority

- US 31436710 P 20100316
- EP 10002763 A 20100316
- EP 2011001309 W 20110316
- EP 11710693 A 20110316

Abstract (en)

[origin: WO2011113593A1] A method for controlling the effective heat transfer from a storage unit (1). During gas release from storage material (3) in the storage unit the storage material is heated by a heater (2). During re-saturation of the storage material (3) with gas the heater is off. Controlling of the effective heat transfer from the storage unit (1) is performed, during gas release, by ceasing convection of a convection gas and, during re-saturation, by performing or enabling convection of a convection gas to cool the storage unit (1).

IPC 8 full level

**B01D 53/04** (2006.01); **C01C 1/00** (2006.01); **F17C 11/00** (2006.01); **F28F 13/06** (2006.01); B01D 53/90 (2006.01)

CPC (source: EP US)

**B01D 53/0438** (2013.01 - EP US); **B01D 53/0454** (2013.01 - EP US); **C01C 1/006** (2013.01 - EP US); **F01N 3/208** (2013.01 - US); **F17C 11/00** (2013.01 - EP US); B01D 2251/2062 (2013.01 - EP US); B01D 2259/4525 (2013.01 - EP US); Y02P 20/129 (2015.11 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011113593 A1 20110922**; CN 102834160 A 20121219; EP 2536480 A1 20121226; EP 2536480 B1 20170510; US 2013118152 A1 20130516; US 8931262 B2 20150113

DOCDB simple family (application)

**EP 2011001309 W 20110316**; CN 201180014352 A 20110316; EP 11710693 A 20110316; US 201113634298 A 20110316